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54 **Optical fibre.**

57 An optical fibre having good heat resistance, low-temperature resistance, flexural resistance, water absorption resistance and chemical resistance, comprises a core component comprising a polycarbonate or a silica type glass, and a clad component comprising a graft-modified poly (4-methyl-1-pentene) wherein the grafts are formed of unsaturated carboxylic acid or a derivative thereof.



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# EUROPEAN SEARCH REPORT

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EP 87 30 1592

| DOCUMENTS CONSIDERED TO BE RELEVANT                                                                                                                                                                                     |                                                                                                                                                                   |                                                                                                                                                                                                                                                                                       |                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| Category                                                                                                                                                                                                                | Citation of document with indication, where appropriate, of relevant passages                                                                                     | Relevant to claim                                                                                                                                                                                                                                                                     | CLASSIFICATION OF THE APPLICATION (Int. Cl. 4) |
| A                                                                                                                                                                                                                       | PATENT ABSTRACTS OF JAPAN, vol. 9, no. 74 (C-273)[1797], 3rd April 1985; & JP - A - 59 207 951 (MITSUI SEKIYU K.K.) 26-11-1984<br>* abstract *<br>---             | 1-5                                                                                                                                                                                                                                                                                   | G 02 B 6/16                                    |
| A                                                                                                                                                                                                                       | EP-A-0 153 414 (MITSUBISHI RAYON CO. LTD.)<br>* page 8, line 19 - page 9, line 8 *<br>---                                                                         | 1                                                                                                                                                                                                                                                                                     |                                                |
| A                                                                                                                                                                                                                       | PATENT ABSTRACTS OF JAPAN, vol. 9, no. 41 (C-267)[1764], 21st February 1985; & JP - A - 59 184 272 (NIPPON DENSHIN DENWA KOSHA) 19-10-1984<br>* abstract *<br>--- | 2,4,5                                                                                                                                                                                                                                                                                 |                                                |
| A                                                                                                                                                                                                                       | PATENT ABSTRACTS OF JAPAN, vol. 9, no. 59 (C-270)[1782], 15th March 1985; & JP - A - 59 197 477 (NIPPON DENSHIN DENWA KOSHA) 09-11-1984<br>* abstract *<br>-----  | 4,6-8                                                                                                                                                                                                                                                                                 |                                                |
|                                                                                                                                                                                                                         |                                                                                                                                                                   |                                                                                                                                                                                                                                                                                       | TECHNICAL FIELDS SEARCHED (Int. Cl.4)          |
|                                                                                                                                                                                                                         |                                                                                                                                                                   |                                                                                                                                                                                                                                                                                       | G 02 B 6/00<br>B 29 D 11/00                    |
| The present search report has been drawn up for all claims                                                                                                                                                              |                                                                                                                                                                   |                                                                                                                                                                                                                                                                                       |                                                |
| Place of search<br>BERLIN                                                                                                                                                                                               |                                                                                                                                                                   | Date of completion of the search<br>16-11-1987                                                                                                                                                                                                                                        | Examiner<br>KEMSLEY E.E.K.                     |
| CATEGORY OF CITED DOCUMENTS                                                                                                                                                                                             |                                                                                                                                                                   |                                                                                                                                                                                                                                                                                       |                                                |
| X : particularly relevant if taken alone<br>Y : particularly relevant if combined with another document of the same category<br>A : technological background<br>O : non-written disclosure<br>P : intermediate document |                                                                                                                                                                   | T : theory or principle underlying the invention<br>E : earlier patent document, but published on, or after the filing date<br>D : document cited in the application<br>L : document cited for other reasons<br>.....<br>& : member of the same patent family, corresponding document |                                                |

